

Instructions for Using the Children's MVM Calculator

The calculator screen will show a default number for each ingredient for children's MVMs for ages 4 and older, indicating the most common labeled level and its predicted mean level, calculated using the regression equation for that ingredient. Also calculated are the standard errors for the mean and for an individual observation and the % difference from label for the mean prediction. The calculator version for serving sizes for ages 4 and older is the version recommended for most research purposes, since it is the most common serving size for children's MVMs.

If you wish to obtain predictions for children's products labeled for serving sizes ages 1 to <4, click "Switch to Children Age 1 to <4" at the top left of the data entry screen. For more information about the statistical evaluation of children's data with two different age groups and serving sizes, see the Children's MVM Research Summary on the DSID website.



Dietary Supplement Ingredient Database



Home FAQ Glossary Contact Help						
DSID RESEARCH AND DATA		Children Multivitamin/mineral Calculator for Ages 4 and Older				
ABOUT DSID		Switch to Children Age 1 to <4 Restore Default Conversions Save View Saved Help (FAQ)				
WHAT'S NEW						
DATA FILES AND DOCUMENTATION						
Research Summaries						
DSID-2 Data Files						
CALCULATORS						
Children's MVM Calculator						
Adult MVM Calculator						
Calculator FAQ						
PUBLICATIONS AND PRESENTATIONS						
Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean
<input type="checkbox"/>	TOTAL VITAMIN A	2500 IU (1500 - 5000)	3070 IU	90	610	23%
<input checked="" type="checkbox"/>	VITAMIN D	50 IU (50 - 400)	74.4 IU	6.1	15	49%
<input type="checkbox"/>	VITAMIN E (dl-alpha tocopheryl, d-alpha tocopherol)	30 IU (15 - 30)	34.2 IU	1.2	5.9	14%
<input type="checkbox"/>	THIAMIN (vitamin B-1)	1.5 mg (0.75 - 2)	1.66 mg	0.041	0.23	11%
<input type="checkbox"/>	RIBOFLAVIN (vitamin B-2)	1.7 mg (1 - 2.2)	1.85 mg	0.034	0.19	8.6%

Use the label information from your bottle to enter the specific ingredient amount per serving (not the % Daily Value) for the age group and serving size corresponding to the calculator that you are using.

Supplement Facts		
Serving Size	1/2 Tablet	1 Tablet
Servings Per Container	200	100
Amount Per Tablet	%DV for Children 2 and 3 years (1/2 Tablet)	%DV for Children 4 years and older (1 Tablet)
Calories 5		
Total Carbohydrate <1 g	*	<1%†
Sugars <1 g	*	*
Vitamin A 3,500 IU (29% as Beta-Carotene)	70%	70%
Vitamin C 60 mg	75%	100%
Vitamin D 400 IU	50%	100%
Vitamin E 30 IU	150%	100%
Vitamin K 10 mcg	*	13%
Thiamin 1.5 mg	107%	100%
Riboflavin 1.7 mg	106%	100%

1. Enter values for any or all 16 ingredients within the range listed below each box.
Press the 'tab' key on your keyboard or click outside the box to view entered data.
Your calculated results, including your entered data, will appear in **red**.



Dietary Supplement Ingredient Database



[Home](#) [FAQ](#) [Glossary](#) [Contact](#) [Help](#)

DSID RESEARCH AND DATA

ABOUT DSID

WHAT'S NEW

DATA FILES AND DOCUMENTATION

[Research Summaries](#)

[DSID-2 Data Files](#)

CALCULATORS

[Children's MVM Calculator](#)

[Adult MVM Calculator](#)

[Calculator FAQ](#)

PUBLICATIONS AND PRESENTATIONS

Children Multivitamin/mineral Calculator for Ages 4 and Older

[Switch to Children Age 1 to 4](#) | [Restore Default](#) | [Conversions](#) | [Save](#) | [View Saved](#) | [Help \(FAQ\)](#)

Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean
<input type="checkbox"/>	TOTAL VITAMIN A	2500 IU (1500 - 5000)	3070 IU	90	610	23%
<input checked="" type="checkbox"/>	VITAMIN D	50 IU (50 - 400)	74.4 IU	6.1	15	49%
<input type="checkbox"/>	VITAMIN E (dl-alpha tocopheryl, d-alpha tocopherol)	30 IU (15 - 30)	34.2 IU	1.2	5.9	14%
<input type="checkbox"/>	THIAMIN (vitamin B-1)	1.5 mg (0.75 - 2)	1.66 mg	0.041	0.23	11%
<input type="checkbox"/>	RIBOFLAVIN (vitamin B-2)	1.7 mg (1 - 2.2)	1.85 mg	0.034	0.19	8.6%

2. Select the 'Save' link near the top of the page.



Dietary Supplement Ingredient Database



[Home](#) [FAQ](#) [Glossary](#) [Contact](#) [Help](#)

DSID RESEARCH AND DATA

ABOUT DSID

WHAT'S NEW

DATA FILES AND DOCUMENTATION

[Research Summaries](#)

[DSID-2 Data Files](#)

CALCULATORS

[Children's MVM Calculator](#)

[Adult MVM Calculator](#)

[Calculator FAQ](#)

PUBLICATIONS AND PRESENTATIONS

Children Multivitamin/mineral Calculator for Ages 4 and Older

[Switch to Children Age 1 to 4](#) | [Restore Default](#) | [Conversions](#) | [Save](#) | [View Saved](#) | [Help \(FAQ\)](#)

Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean
<input type="checkbox"/>	TOTAL VITAMIN A	2500 IU (1500 - 5000)	3070 IU	90	610	23%
<input checked="" type="checkbox"/>	VITAMIN D	50 IU (50 - 400)	74.4 IU	6.1	15	49%
<input type="checkbox"/>	VITAMIN E (dl-alpha tocopheryl, d-alpha tocopherol)	30 IU (15 - 30)	34.2 IU	1.2	5.9	14%
<input type="checkbox"/>	THIAMIN (vitamin B-1)	1.5 mg (0.75 - 2)	1.66 mg	0.041	0.23	11%
<input type="checkbox"/>	RIBOFLAVIN (vitamin B-2)	1.7 mg (1 - 2.2)	1.85 mg	0.034	0.19	8.6%

3. Assign a profile name to each set of calculations.

Office of Dietary Supplements
National Institutes of Health

USDA
d2s

Dietary Supplement Ingredient Database

Home | FAQ | Glossary | Contact | Help

DSID RESEARCH AND DATA

ABOUT DSID

WHAT'S NEW

DATA FILES AND DOCUMENTATION

Research Summaries

DSID-2 Data Files

CALCULATORS

Children's MVM Calculator

Adult MVM Calculator

Calculator FAQ

PUBLICATIONS AND PRESENTATIONS

Children Multivitamin/mineral Calculator for Ages 4 and Older

[Switch to Children Age 1 to 4](#) | [Restore Default](#) | [Conversions](#) | [Save](#) | [View Saved](#) | [Help \(FAQ\)](#)

Assign a name for this profile of calculations.

Profile Name:

There are some fields unchanged. Do you want to include default values, or save modified data only, or save checked data?

[Include Default Values](#) | [Use Checked Data Only](#) | [Cancel](#)



					% Difference From Label for Predicted Mean	
					23%	
					49%	
					14%	
	THIAMIN (vitamin B-1)	1.5 mg (0.75 - 2)	1.66 mg	0.041	0.23	11%
	BIOTIN	1.7 mg				

4. Choose either 'Include Default Values' (to include the original values shown on the data entry screen plus the data you changed) or 'Use Checked Data Only' (to include only the data you changed) to save your profile.

You can generate multiple sets of calculations (profiles) within one file.

- To add an additional profile to the same file, select 'Add a New Profile' above the columns on the review page.

NOTE: In order to save these files onto your computer, your browser security settings must be configured to allow cookies.



Dietary Supplement Ingredient Database

[Home](#) [FAQ](#) [Glossary](#) [Contact](#) [Help](#)

DSID RESEARCH AND DATA

- ABOUT DSID
- WHAT'S NEW
- DATA FILES AND DOCUMENTATION
 - [Research Summaries](#)
 - [DSID-2 Data Files](#)
- CALCULATORS
 - [Children's MVM Calculator](#)
 - [Adult MVM Calculator](#)
 - [Calculator FAQ](#)
- PUBLICATIONS AND PRESENTATIONS



Stored Profiles

This page lists all profiles you want to save. Click "Restart" to remove all these profiles and restart the procedure; click 'New Profile' to generate a new profile; click "Save To A File" link to export them into a Microsoft Excel file.

[Restart](#) [Add A New Profile](#) [Save To A File](#) [Help](#)

Name	DSID Calculator	Details																																										
686463	MVM_CHILD_4PLUS	<table><thead><tr><th>Nutrient</th><th>Labeled Amount Per Serving</th><th>Predicted Mean Value Per Serving</th><th>Standard Error for Predicted Mean</th><th>Standard Error for Predicted Observation</th><th>% Difference From Label for Predicted Mean</th></tr></thead><tbody><tr><td>TOTAL VITAMIN A</td><td>2500 IU</td><td>3070</td><td>90</td><td>610</td><td>23%</td></tr><tr><td>VITAMIN D</td><td>50 IU</td><td>74.4</td><td>6.1</td><td>15</td><td>49%</td></tr><tr><td>VITAMIN E</td><td>30 IU</td><td>34.2</td><td>1.2</td><td>5.9</td><td>14%</td></tr><tr><td>THIAMIN</td><td>1.5 mg</td><td>1.66</td><td>0.041</td><td>0.23</td><td>11%</td></tr><tr><td>RIBOFLAVIN</td><td>1.7 mg</td><td>1.85</td><td>0.034</td><td>0.19</td><td>8.6%</td></tr><tr><td>NIACIN</td><td>13.5 mg</td><td>14.2</td><td>0.18</td><td>1.1</td><td>5.4%</td></tr></tbody></table>	Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean	TOTAL VITAMIN A	2500 IU	3070	90	610	23%	VITAMIN D	50 IU	74.4	6.1	15	49%	VITAMIN E	30 IU	34.2	1.2	5.9	14%	THIAMIN	1.5 mg	1.66	0.041	0.23	11%	RIBOFLAVIN	1.7 mg	1.85	0.034	0.19	8.6%	NIACIN	13.5 mg	14.2	0.18	1.1	5.4%
Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean																																							
TOTAL VITAMIN A	2500 IU	3070	90	610	23%																																							
VITAMIN D	50 IU	74.4	6.1	15	49%																																							
VITAMIN E	30 IU	34.2	1.2	5.9	14%																																							
THIAMIN	1.5 mg	1.66	0.041	0.23	11%																																							
RIBOFLAVIN	1.7 mg	1.85	0.034	0.19	8.6%																																							
NIACIN	13.5 mg	14.2	0.18	1.1	5.4%																																							

- In the next window, view your results and save them by selecting 'Save To A File' and filling in the name of your file.

Dietary Supplement Ingredient Database

[Home](#)
[FAQ](#)
[Glossary](#)
[Contact](#)
[Help](#)

DSID RESEARCH AND DATA

ABOUT DSID

WHAT'S NEW

DATA FILES AND DOCUMENTATION

Research Summaries

DSID-2 Data Files

CALCULATORS

Children's MVM Calculator

Adult MVM Calculator

Calculator FAQ

PUBLICATIONS AND PRESENTATIONS

Stored Profiles

This page lists all profiles you want to save. Click "Restart" to remove all these profiles and restart the procedure; click "New Profile" to generate a new profile; click "Save To A File" link to export them into a Microsoft Excel file.

[Restart](#)
[Add A New Profile](#)
[Save To A File](#)
[Help](#)

Name	DSID Calculator	Details																																										
686463	MVM_CHILD_4PLUS	<table> <thead> <tr> <th>Nutrient</th> <th>Labeled Amount Per Serving</th> <th>Predicted Mean Value Per Serving</th> <th>Standard Error for Predicted Mean</th> <th>Standard Error for Predicted Observation</th> <th>% Difference From Label for Predicted Mean</th> </tr> </thead> <tbody> <tr> <td>TOTAL VITAMIN A</td> <td>2500 IU</td> <td>3070</td> <td>90</td> <td>610</td> <td>23%</td> </tr> <tr> <td>VITAMIN D</td> <td>50 IU</td> <td>74.4</td> <td>6.1</td> <td>15</td> <td>49%</td> </tr> <tr> <td>VITAMIN E</td> <td>30 IU</td> <td>34.2</td> <td>1.2</td> <td>5.9</td> <td>14%</td> </tr> <tr> <td>THIAMIN</td> <td>1.5 mg</td> <td>1.66</td> <td>0.041</td> <td>0.23</td> <td>11%</td> </tr> <tr> <td>RIBOFLAVIN</td> <td>1.7 mg</td> <td>1.85</td> <td>0.034</td> <td>0.19</td> <td>8.6%</td> </tr> <tr> <td>NIACIN</td> <td>13.5 mg</td> <td>14.2</td> <td>0.18</td> <td>1.1</td> <td>5.4%</td> </tr> </tbody> </table>	Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean	TOTAL VITAMIN A	2500 IU	3070	90	610	23%	VITAMIN D	50 IU	74.4	6.1	15	49%	VITAMIN E	30 IU	34.2	1.2	5.9	14%	THIAMIN	1.5 mg	1.66	0.041	0.23	11%	RIBOFLAVIN	1.7 mg	1.85	0.034	0.19	8.6%	NIACIN	13.5 mg	14.2	0.18	1.1	5.4%
Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	% Difference From Label for Predicted Mean																																							
TOTAL VITAMIN A	2500 IU	3070	90	610	23%																																							
VITAMIN D	50 IU	74.4	6.1	15	49%																																							
VITAMIN E	30 IU	34.2	1.2	5.9	14%																																							
THIAMIN	1.5 mg	1.66	0.041	0.23	11%																																							
RIBOFLAVIN	1.7 mg	1.85	0.034	0.19	8.6%																																							
NIACIN	13.5 mg	14.2	0.18	1.1	5.4%																																							

- To open a saved file, go to the directory on your computer (in Windows, probably in the My Documents directory) where the file was saved and open using Microsoft Excel. Once the file is saved, it can be manually modified and sorted.

NOTE: Predictions generated from the MVM Ingredient Calculators are estimates and are valid only for interpretation as indicated in DSID documentation.